

Work Order ID 144432

April 18, 2016 9:18:00 AM

144432

Page 1

Item ID: D145-762-055

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Repl. Wearplates for Skid tubes, DART (Apical) Tri-Bag Float Comp., Fits LH or RH

Start Date: 4/29/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/6/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan: SLADate: 20160418

Tooling:

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

IIN-D117-762

E

DAS
6
9-89

0.00

MAY 04 2016

MCS 16-05-05

100

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D145-762-055 CHG001

DAS
28
9-89

MAY 27 2016

110

110

Pick Kit

0.00

Packaging

Memo

0.00

Packaging

DAS
27
6
9-89

MAY 04 2016

120

120

QC4- 100% Inspect kits for completeness

0.00

QC

Memo

0.00

Quality Control

DAS
28
9-89

MAY 27 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																								
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
																								OTHER :																																							

Work Order ID 144432

April 18, 2016 9:18:00 AM

144432

Page 2

Item ID: D145-762-055 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Repl. Wearplates for Skid tubes, DART (Apical) Tri-Bag Float Comp., Fits LH or RH
Start Date: 4/29/2016 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 5/6/2016 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging					2x		DAS 27 9-89	DAS 28 9-89
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D145-762-055 Location: _____								MAY 3 9 2016
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									MAY 2 7 2016

W1605-27

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐			

Picklist Print

April 18, 2016 9:18:04 AM

Page 1

Work Order ID: 144432

144432

Parent Item: D145-762-055

D145-762-055

Parent Item Name: Repl. Wearplates for Skidtubes, DART (Apical) Tri-Bag Float Comp., Fits LH or RH

Start Date: 4/29/2016

Required Date: 5/6/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 13.04.24 NEW ISSUE DD VERF:JLM IPP
REV:B 13.11.14 AS PER IIN REV.C DD VERF:JLM IPP REV:C
15.06.11 IIN REV.D DD VERF:JLM IPP REV:D 16.02.03
IIN REV.E DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4C43A		Purchased	No			110	Each	100.0000	2	4			
AN4C43A									**				DAS 27 9-89 9-89
BOLT													
	DAS 28 9-89												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST341				100					
				m132070				100					
AN6C45A		Purchased	No			110	Each	49.0000	4	8			
AN6C45A									**				DAS 27 9-89 9-89
BOLT													
	DAS 28 9-89												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				over009				49					
				125607				49					
D4682-7		Manufactured	No			110	Each	12.0000	1	2			
D4682-7									**				DAS 27 9-89 9-89
Wearplate													
	DAS 28 9-89												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST604				12					
				132147				12					
D4682-041		Manufactured	No			110	Each	2.0000	1	2			
D4682-041									**				DAS 27 9-89 9-89
Wearplate Assembly													
	DAS 28 9-89												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST191				2					
				126867				1					
				128553				1					

MAY 05 2016

Picklist Print

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Work Order ID: 144432

144432

Parent Item: D145-762-055

D145-762-055

Parent Item Name: Repl. Wearplates for Skidtubes, DART (Apical) Tri-Bag Float Comp., Fits LH or RH

Start Date: 4/29/2016

Required Date: 5/6/2016

AN6C44A

Purchased

No

110

Each

429.0000

Start Qty: 2.00

2

4

Required Qty: 2.00

AN6C44A

Bolt

DAS

6 27

9-89 9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

81

131649

50

m130863

9

m131151

22

over009

298

m132522

52

m132556

246

ST333

50

m130863

4

m131946

46

4

MS21043-4

Purchased

No

110

Each

944.0000

3

6

MS21043-4

Nut

DAS

6 27

9-89 9-89

DAS

6 27

9-89 9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

40

104603

40

GA

130

m132803

130

OVER007

300

m134502

300

ST302

300

m134249

300

ST32

174

m133769

174

6

MAY 05 2016

Picklist Print

April 18, 2016 9:18:04 AM

Work Order ID: 144432

144432

Parent Item: D145-762-055

D145-762-055

Parent Item Name: Repl. Wearplates for Skidtubes, DART (Apical) Tri-Bag Float Comp., Fits LH or RH

Start Date: 4/29/2016

Required Date: 5/6/2016

MS21043-6

Purchased

No

110

Each

79.0000

Start Qty: 2.00

6

12

Required Qty: 2.00

MS21043-6

NUT

**

DAS

6 27

9-89-89

Location

Loc Qty

Loc Code

FG

20

103693

20

FP001

29

m134365

29

ST302

30

m134557

30

DAS
28
9-89

MAY 05 2016

Work Order ID 144432

144432

Page 1

April 18, 2016 9:18:00 AM

Item ID: D145-762-055 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Repl. Wearplates for Skidtubes, DART (Apical) Tri-Bag Float Comp., Fits LH or RH

Start Date: 4/29/2016 Start Qty: 2.00 ***2*** Cust Item ID:
 Required Date: 5/6/2016 Req'd Qty: 2.00 ***2*** Customer:

Reference:

Approvals: Process Plan: SLA 20160418 Date: Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D117-762	E								
100	DOCUMENT CONTROL	0.00							
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D145-762-055 CHG001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

MAY 04 2016

MJ MAY 05 2016

DAS MAY 04 2016

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTION IIN-D117-762 REV. E AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D117-762 REV. 4

REF FAA STC: SR01853SE

REF: TCCA LETTER OF ACCEPTANCE RDIMS-4374899

REF EASA STC: 10017063

PURPOSE:

The purpose of this service instruction is to correct a typographical error in section 5.3 (pg. 23) of IIN-D117-762 Rev E and section 32.21 (pg. 35) of ICA-D117-762 Rev. 4.

CHANGE:

The parts list in section 5.3 (pg. 23) of IIN-D117-762 Rev. E and section 32.21 (pg. 35) of ICA-D117-762 Rev. 4 is modified as shown below:

ITEM	Qty -015	Qty -045	Qty -055	Qty -115	Qty -155	PART NUMBER	DESCRIPTION
			X			D145-762-055	REPLACEMENT WEARPLATES (FLOAT SKIDTUBE)

IS:

220C			1			D4682-7	WEARPLATE
------	--	--	---	--	--	---------	-----------

WAS:

220C			1			D4682-11	WEARPLATE
------	--	--	---	--	--	----------	-----------

WEIGHT AND BALANCE:

There is no weight and balance change associated with this service instruction.

A	NEW ISSUE	SAD	16.03.24
REV.	DESCRIPTION	BY	DATE
DESIGN	SAD	DART AEROSPACE USA, INC EUGENE, OR	
DRAWN	SAD		
CHECKED	<i>CP</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9742	SHEET 1 OF 1
APPROVED	<i>CP</i>	TITLE	SCALE
DE APPR.	<i>CP</i>	PARTS LIST CORRECTION	NTS
DATE	16.03.24	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

5.3 D145-762-015/-115 Skidtube Parts List

Item	Qty -015	Qty -045	Qty -055	Qty -115	Qty -155	Part Number	Description
	X					D145-762-015	FLOAT SKIDTUBE WITH STD WEARPLATES
	1	X		1		D145-762-045	REPLACEMENT FLOAT SKIDTUBE
	1		X			D145-762-055	REPLACEMENT WEARPLATES (FLOAT SKIDTUBES)
				X		D145-762-115	FLOAT SKIDTUBE WITH TRAINING WEARPLATES
				1	X	D145-762-155	REPLACEMENT TRAINING WEARPLATES (FLOAT SKIDTUBE)
201		1				D4766-041	SKIDTUBE ASSEMBLY
202	2			2		**L321M1024101 OR **B321M1026101	SKID SHOE (REF ONLY)
203	8			8		**BRSP96/25-SK-W5-1 TEILIG OR **BRSP98/25-SK-W5-1 TEILIG OR **01618266098	CLAMP (REF ONLY)
204	8			8		**N/A	OEM BOLT (REF ONLY)
205	8			8		**N/A	OEM LOCKING WASHER (REF ONLY)
206	8			8		**N/A	OEM WASHER (REF ONLY)
210A		1				*D2965	CAP
210B		1				*D2965-3	CAP
211		4				***AELS-1032-225	INSERT
212		2				*AN3C5A	BOLT
213		2				*NAS1149C0332R	WASHER (OR AN960C10L)
214		2				*AN526C1032	SCREW
220A			1			D4682-041	WEARPLATE
220B			1			D4682-045	WEARPLATE
220C			1			D4682-11	WEARPLATE
221A				1		D4769-041	WEARPLATE
221B				1		D4772-041	WEARPLATE
221C				1		D4771-041	WEARPLATE
222			6		6	D4764-1	BUSHING
223			12		12	D4764-5	BUSHING
224			1		1	AN4C42A	BOLT
225			2		2	AN4C43A	BOLT
226			2		2	AN6C44A	BOLT
227			4		4	AN6C45A	BOLT
228			3		3	MS21043-4	NUT
229			6		6	MS21043-6	NUT
230		3				*AELS-1032-130	INSERT
231		3				*AN3C4A	BOLT
232		3				*NAS1149C0332R	WASHER (OR AN960C10L)
250	2			2		AN6C52A	BOLT
251	2			2		D5300-1	GHL BUSHING
252	2			2		D5301-1	GHL PLUG
253	2			2		MS21043-6	NUT

* PART IS INCLUDED WITH D4766-041 STD SKIDTUBE ASSEMBLY

** TO BE SUPPLIED BY CUSTOMER, LISTED AS REFERENCE ONLY

*** DENOTES PART IS INCLUDED WITH ASSEMBLY ABOVE

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTION IIN-D117-762 REV. E AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D117-762 REV. 4

REF FAA STC: SR01853SE

REF: TCCA LETTER OF ACCEPTANCE RDIMS-4374899

REF EASA STC: 10017063

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			X			D145-762-055	REPLACEMENT WEARPLATES (FLOAT SKIDTUBE)

IS:

220C			1			D4682-7	WEARPLATE
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WAS:

220C			1			D4682-11	WEARPLATE
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A	NEW ISSUE	SAD	16.03.24
REV.	DESCRIPTION	BY	DATE
DESIGN	SAD	DART AEROSPACE USA, INC EUGENE, OR	
DRAWN	SAD		
CHECKED	IP	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9742	SHEET 1 OF 1
APPROVED	CM	TITLE	SCALE
DE APPR.	SE	PARTS LIST CORRECTION	NTS
DATE	16.03.24	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	